



PCT  
Attorney's Docket No.: 12816-008001  
Client's Docket No.: S0751 SB/fis

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JCO5 Rec'd PCT/PTO 27 JUL 2001

Applicant : Heinrich Schenk  
Serial No. : 09/806,140  
Filed : March 27, 2001  
Title : DIGITAL RECEIVER FOR A SIGNAL PRODUCED USING DISCRETE  
MULTITONE MODULATION

Art Unit : 2151  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt so that the title reads "**Digital receiver for a signal produced using discrete multi-tone modulation**" instead of "Digital receiver for a signal generated with discrete multi-tone modulation".

Please supply a corrected Filing Receipt to the undersigned. A copy of the original filing receipt showing the desired changes in red ink is attached for your convenience. Copies of the application transmittal and declaration are also enclosed.

No fee is believed to be due. If, there are any charges, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,


Date: July 25, 2001

  
Faustino A. Lichauco  
Reg. No. 41,942

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906  
20291949.doc

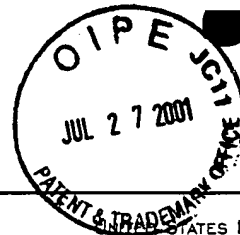
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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

July 25, 2001  
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## UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/806,140	06/27/2001	2151	990	12816-008001		7	1

CONFIRMATION NO. 5013

## FILING RECEIPT



\*OC000000006282865\*

Fish & Richardson  
225 Franklin Street  
Boston, MA 02110-2804

Date Mailed: 07/11/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Heinrich Schenk, Munich, GERMANY;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/DE99/02752 09/01/1999

## Foreign Applications

GERMANY 198 44 460.5 09/28/1998

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JUL 13 2001

Projected Publication Date: N/A

FISH & RICHARDSON, PC.  
BOSTON OFFICE

Non-Publication Request: No

Early Publication Request: No

## Title

*produced using*  
Digital receiver for a signal *generated with* discrete multi-tone modulation

## Preliminary Class

709

kym 7/16/01

Data entry by : ORDENEZ, MARTA

Team : OIPE

Date: 07/11/2001



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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**PLEASE NOTE the following information about the Filing Receipt:**

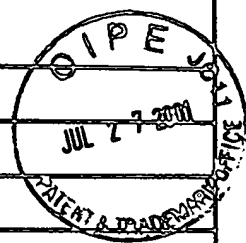
- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

ATTORNEY'S DOCKET NUMBER  
12816-008001TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If Known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/DE99/02752INTERNATIONAL FILING DATE  
1 September 1999PRIORITY DATE CLAIMED  
28 September 1998TITLE OF INVENTION  
DIGITAL RECEIVER FOR A SIGNAL PRODUCEDAPPLICANT(S) FOR DO/EO/US  
Heinrich Schenk

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 16 below concern other documents or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☒ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ Other items or information:

☐  
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☐  
☐  
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## CERTIFICATE OF MAILING BY EXPRESS MAIL

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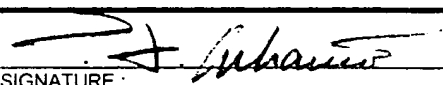
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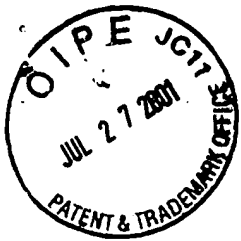
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3-27-2001 *Samantha Bell* *Samantha Bell*

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U.S. APPLICATION NO. (IF KNOWN)		INTERNATIONAL APPLICATION NO. PCT/DE99/02752		ATTORNEY'S DOCKET NUMBER 12816-008001	
17. <input checked="" type="checkbox"/> The following fees are submitted: <b>Basic National Fee ( 37 CFR 1.492(a)(1)-(5) ):</b>  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1000  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$860  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$710  International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$690  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100  <div style="text-align: right;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div>				 <div style="transform: rotate(-90deg); position: absolute; left: -50px; top: 50px;">RECEIVED SEP 17 2001 Technology Center 2600</div>	
				CALCULATIONS PTO USE ONLY	
Surcharge of \$130 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$0.00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	7 - 20 =	0	x \$18	\$0.00	
Independent Claims	1 - 3 =	0	x \$80	\$0.00	
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$270	\$0.00	
TOTAL OF ABOVE CALCULATIONS =				\$860.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$0.00	
SUBTOTAL =				\$860.00	
Processing fee of \$130 for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))				\$0.00	
TOTAL NATIONAL FEE =				\$860.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$0.00	
TOTAL FEES ENCLOSED =				\$860.00	
				Amount to be refunded:	\$
				Charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$860.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Faustino A. Lichauco FISH & RICHARDSON P.C. 225 Franklin Street Boston, MA 02110-2804 (617) 542-5070 phone (617) 542-8906 facsimile			 SIGNATURE:		
			NAME		
			REGISTRATION NUMBER		
			41,942		



## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DIGITAL RECEIVER FOR A SIGNAL PRODUCED USING DISCRETE MULTITONE MODULATION, the specification of which:

- ☐ is attached hereto.  
☐ was filed on \_ as Application Serial No. \_ and was amended on \_  
☒ was described and claimed in PCT International Application No. DE/99/02752 filed on September 1, 1999 and as amended under PCT Article 19 on \_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed
Germany	198 44 460.5	September 28, 1998	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Frank R. Occhiuti, Reg. No. 35,206

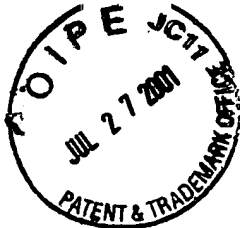
Faustino A. Lichauco, Reg. No. 41,942

Address all telephone calls to FAUSTINO A. LICHAUCO at telephone number (617) 542-5070.

Address all correspondence to FAUSTINO A. LICHAUCO at:

FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, MA 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.



Combined Declaration and Power of Attorney  
Page 2 of 2 Pages

Full Name of Inventor: HEINRICH SCHENK

Inventor's Signature: \_\_\_\_\_

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Fatimastr. 3

Munich D-81476

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Citizenship: \_\_\_\_\_

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Post Office Address: \_\_\_\_\_

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